BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Development of tatanagara 4th cross children's park in ward no. 8, kodigehalli

Estimate Cost Rs. 1500000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Clearing and grubbing land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm by manual means in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials, labour charges compelte as per specifications. (P. 135, I. 18.11, SR 2015-16)								
	4th cross park	sqm	2	29.00	20.00		1160.0	6.48	7517.00
	Basic Rate	6.00							
	Area Weightage @ 8%	0.48							
	Total	6.48							
2	KSRRB M300-53. Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications, including cost of gravel / murum, watering charges and compaction by vibratory roller to 95% of proctor density. (Page 147, Item No. 19.60 SR 2015-16)								
	Inside park	cum	1	116.30	29.00	0.60	2023.62		
							2023.62	311.04	629427.00
	Basic Rate	288.00							
	Area Weightage @ 8%	23.04							
	Total	311.04							
3	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, No. 5/ Item No. 2.1/ PWD SR 2015-16								
	For kerb laying								
	Area-1, 28m x 18 m	cum	1	92.00	0.20	0.15	2.76		
	Area-2, 37m x 18 m	cum	1	110.00	0.20	0.15	3.30		
	For courts bifurcation on either sides	cum	2	29.00	0.20	0.15	1.74		
	For chainlink fencing on one side	cum	47	0.30	0.30	0.30	1.26		
							9.06	159.84	1448.00
	Basic Rate	148.00							
	Area Weightage @ 8%	11.84							
	Total	159.84							
4	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.133 of PWDSR 2015-16)								
				Vide Item No. (2)			9.06	78.97	715.00
	Average weight of earth 1.28 tonne / kg for	5.12							
	Add loading and unloading charges Vide item	68.00							
		73.12							
	Area Weightage @ 8%	5.85							
	Total	78.97							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	Supplying and Providing Sand (P. II, Item No. Sl No. 56 Code No. 0731)								
		Cum	1	10.00	6.00	0.20	12.00	1700.00	20400.00
6	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete. Page No. 25 / Item No. 5.29.1 / PWD SR 2015-16								
	Area-1, 28m x 18 m	Nos	1	205.00			205.00		
	Area-2, 37m x 18 m	Nos	1	245.00			245.00		
	For courts bifurcation on either sides	Nos	2	65.00			130.00		
	Play court area alround (10m x 6m)	Nos	1	72.00			72.00		
							652.00	373.68	243639.00
	Basic Rate	346.00							
	Area Weightage @ 8%	27.68							
	Total	373.68							
7	Providinga and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 121 / Item No. 15.80 / PWD SR 2015-16								
	Kerb Stone Painting (Both sides)								
	Area-1, 28m x 18 m	Sqm	2	92.00		0.30	220.80		
	Area-2, 37m x 18 m	Sqm	2	110.00		0.30	264.00		
	For courts bifurcation on either sides	Sqm	4	29.00		0.30	69.60		
	Play court area alround (10m x 6m)	Sqm	2	32.00		0.30	76.80		
							631.20	27.00	17042.00
	Basic Rate	25.00							
	Area Weightage @ 8%	2.00							
	Total	27.00							
8	Providing and applying spray painting in two coats (excluding priming coat) over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications. Page No. 121 / Item No. 15.81 / PWD SR 2015-16								
	Qty vide item no.7	Sqm					631.20		
							631.20	68.04	42947.00
	Basic Rate	63.00							
	Area Weightage @ 8%	5.04							
	Total	68.04							
9	KSRB- 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Item No. 15.74, P. 120/ PWD SR 2015-16)								
	chainlink fencing paint alround park	sqm	1	174.00	1.50		261.00		
							261.00	85.32	22269.00
	Basic Rate	79.00							
	Area Weightage @ 8%	6.32							
	Total	85.32							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	Providing Children Play Two Seater Standard SWing Equipment: This sWing' consist of 2 Nos. seats of solid metal seats powder coated of Size-500mmx 250mm x 16 SWG supported by MS chains of Length 1.8mtrs, each seat is suspended by 1 line of chain. The chains are supported by circular housingswith bearing from which the chain in suspended. The beam is of 50mm MS tAt class pipe. Size of MS • chain 30mm x 20mm x 5mm thick, the length of the main beam is 2.40 mtrs and No. 1 24800.00 25300.00 28400.00 24000.00 -263.00.00 *·Lowestheight 2.00mtrs. The 2 Nos of cost iron-heads. Four footing are in 42mm pipes. All pipes are of ISI grade. All the pipes are painted with two coats of superset paint over a coat of protective Zinc chromate yellow oxide including fiXing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift. loading. unloading and any other incidental charges and as per the drawing and specification and directionof the Engineerin chargeof the work								
		No.	1				1.00	26400.00	26400.00
11	Providing Children Play Merry-Go-Round Equipment: Made of MS. 'A' class pipes. Main pillars are in 100mm, fitted with shaft and two bearings and other cross members are in 25 & 20mm MA 'A' Class pipes, bottom ring is made out of 25mm 0 ring size is 1.20 mtrs Dia, fitted with four seats are in mental sats of 250 x 200 x 18SGE, handles are made out of 20mm NB pipes and other supports are in 25mm MS 'N class pipes. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the EnQlneer In enarce of the work								
		No.	1				1.00	28000.00	28000.00
12	Providing Children Play Two Seater Swing Duck Equipment: This swing consist of 2 Nos. FRP Ducks supported by MS chains of Length 1.05mtrs, each duck Is suspended by 3 lines of chains. The chains are supported by circular housings with bearing from which the chain in suspended. The main beam is of 42mm MS 'A' class pipe. Size of MS chain 30mm x 20mm x 5mm thick, the length of the main beam is 2.40 mtrs and height 1.95mtrs. Four footing are in 42mm pipes. All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat 0 protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the Enalneer in charae of the work.								
		No.	1				1.00	30800.00	30800.00
13	Providing Sitting chairs made of RCC including steel reinforcement as per the directions of the Engineer-in-charge of the work								
		No.	10				10.00	6600	66000.00
14	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregares @ 0.465 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.2/ PWD SR 2015-16								
	for rectangular poles	cum	47	0.30	0.30	0.15	0.63		
							0.63	5236.92	3299.00
	Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	5236.92							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, No. 12/ Item No. 4.5/ PWD SR 2015-16								
	for rectangular poles	Cum	47	0.30	0.30	0.20	0.84		
							0.84	5991.84	5033.00
	Basic Rate	5548.00							
	Area Weightage @ 8%	443.84							
	Total	5991.84							
16	Supplying and fixing MS rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC 1:2:4 with 2 No. of 16mm dia MS hold fast rods each of length 25 cm, including ocst of all materials, cutting, bending, scaffolding wherever necessary, nicely finishing the welded joints with all leads and lifts and as per the directions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (PWDSR 2015-16, P. 255, I. 37.2)								
		m	47	1.80			84.60	991.44	83876.00
	Basic Rate	918.00							
	Area Weightage @ 8%	73.44							
	Total	991.44							
17	Providing and fixing MS block pipe of 38 mm dia of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (MS rectangular poles) and spot welding the chain link with MS block pipe including cost of all materials, wastage in cutting and scaffolding whereever necesssary with all lead and lift as directed by the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop paint (PWDSR 2015-16, P. 255, I. 37.4)								
		m	3	116.00			348.00	338.04	117638.00
	Basic Rate	313.00							
	Area Weightage @ 8%	25.04							
	Total	338.04							
18	Providing chainlink fencking 50mm size of 8 guage properly stretched between existing rectangular poles andfixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts as per the direcdtions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop paint (PWDSR 2015-16, P. 255, I. 37.3)								
		sqm	1	116.00	1.50		174.00	697.68	121396.00
	Basic Rate	646.00							
	Area Weightage @ 8%	51.68							
	Total	697.68							
	Sub Total								1467846.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	For Third Part QC inspection Charges @ 1% of Estimate Cost								14678.00
20	For survey work, levelling work and drawings @ 1% of est cost	L/S							14678.00
21	Miscellaneous charges and rounding off								2798.00
									1500000.00

(Rupees Fifteen Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16 and Approved Rates.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward 8, Kodigehalli

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP
8/12/15

Administrative Approval

Accorded For 1500000/-
Head of A/C P-1771
CER NO : 74 **Dt** 14.12.2015

TA CE (YNK)

TECHNICAL SANCTION

Accorded For Rs. 1500000/-

Head of A/c. P-1771

Div. Ref. No. 234 Date 14.12.15

AE

EE(BTP) 15/12